

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M97977
Date Received: 01/26/06
Date Extracted: 02/09/06
Date Analyzed: 02/09/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro Self Monitor, PO# M97977
Lab ID: 601232-01 10x
Data File: 601232-01 10x.033
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	90	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1,290
Nickel	1,380
Copper	1,120
Zinc	40.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro Self Monitor, PO# M97977
Date Extracted:	02/09/06	Lab ID:	I6-149 mb
Date Analyzed:	02/09/06	Data File:	I6-149 mb.026
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	92	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<10
Nickel	<10
Copper	<10
Zinc	<10

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 02/13/06

Date Received: 01/26/06

Project: Metro Self Monitor, PO# M97977, F&BI 601232

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR METALS BY EPA METHOD 200.8**

Laboratory Code: 602081-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	7.13	6.19	14	0-20
Nickel	ug/L (ppb)	2.34	2.00	16	0-20
Copper	ug/L (ppb)	4.16	3.75	10	0-20
Zinc	ug/L (ppb)	1.90	<1	nm	0-20

Laboratory Code: 602081-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	7.13	72	50-150
Nickel	ug/L (ppb)	20	2.34	79	50-150
Copper	ug/L (ppb)	20	4.16	67	50-150
Zinc	ug/L (ppb)	50	1.90	76	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	81	70-130
Nickel	ug/L (ppb)	20	90	70-130
Copper	ug/L (ppb)	20	81	70-130
Zinc	ug/L (ppb)	50	87	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 13, 2006

DUPLICATE COPY

INVOICE # 06ACU0213-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M97977, F&BI 601232 - Results of testing
requested by Gerry Thompson for material submitted on January 26, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID # (b) (6)

FRIEDMAN & BRUYA, INC.

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February 13, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134


Dear Mr. Thompson:

Included are the results from the testing of material submitted on January 26, 2006 from the Metro Self Monitor, PO# M97977, F&BI 601232 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC



Michael Erdahl
Project Manager

Enclosures
ACU0213R.DOC

601232

SAMPLE CHAIN OF CUSTODY

ME 01-26-06

413

Send Report To General Thompson
 Company ALASKAN Copper works
 Address 628 S. Harbor St
 City, State, ZIP Seattle WA 98134
 Phone # 206-382-8579 Fax # 206-382-4509

SAMPLER'S (signature)

PROJECT NAME/NO.

metro self monitor

PO #

M 97777

REMARKS

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TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	On, Cu, Ni, Zn				
M 97777	01	1/26/06	12:30	H ₂ O	1							X				

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>General Thompson</u>	<u>ACW</u>	<u>7/26/06</u>	<u>12:56pm</u>
Received by: <u>[Signature]</u>	<u>Nhan Phan</u>	<u>FBI</u>	<u>1/26/06</u>	<u>12:56</u>
Relinquished by:				
Received by:				